LP™755

USER'S GUIDE

InFocus®

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FCC Warning

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

DOC (Canada)

This Class A digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

Safety Certifications

UL, CUL, TÜV, NOM

EN 55022 Warning

This is a Class A product. In a domestic environment it may cause radio interference, in which case the user may be required to take adequate measures. The typical use is in a conference room, meeting room or auditorium.

Remote Control Warning

Laser radiation class II product; wavelength 670nm; maximum output 1mW. Remote control complies with applicable requirements of 21 CFR 1040.10 and 1040.11. Remote control complies with applicable requirements of EN 60 825-1: 1994 +A11.

Declaration of Conformity

Manufacturer: InFocus
27700B SW Parkway Ave. Wilsonville, Oregon 97070 USA
European Office: Olympia 1, NL-1213 NS Hilversum, The Netherlands

We declare under our sole responsibility that the LP755 LCD projector conforms to the following directives and norms:

Directive 89/336/EEC, Amended by 93/68/EEC
EMI: EN 55022 (1992) Class A
EMC: EN 50082-1 (1992)
Directive 73/23/EEC, Amended by 93/68/EEC
Safety: EN 60950: 1992 + A1 + A2 + A3: 1995

October, 1999

Australian Certification C-tick mark

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SAFETY INSTRUCTIONS

Please read and follow all safety instructions provided BEFORE using your new projector. Failure to comply with safety instructions may result in fire, electrical shock, or personal injury and may damage or impair protection provided by equipment. Please save all safety instructions.

Safety Definitions:

- **Warning:** Statements identify conditions or practices that could result in permanent personal injury.
- **Caution:** Statements identify conditions or practices that could result in damage to your equipment.

Safety Terms:

- **Warning:** Don't look directly into the lens when the projector is turned on.
- **Warning:** Don't block ventilation openings.

•**Warning:** To replace the lamp, turn the power off and unplug the power cord. To avoid burns, wait 30 minutes before opening the lamp door. Follow all instructions provided in this User's Guide.

•**Warning:** Please use the power cord provided. Connect the power cord to a receptacle with a protective safety (earth) ground terminal.

•**Warning:** Visible laser radiation. Do not stare into beam.

- **Warning:** Refer all service to qualified service personnel. Servicing your own projector will void the warranty. See the following page for the customer service contact information.
- **Caution:** Don't set liquids on the projector. Spilled liquids may damage your projector.
- **Caution:** Don't place the projector on a hot surface or in direct sunlight.
- **Caution:** Do not drop the projector. Transport the projector in an InFocus-approved case; see page 52 for a list of cases.

- **Caution:** For ceiling mount installations, please use the ceiling mount recommended in this User's Guide on page 52 and follow all instructions provided with it.

Safety Symbols:

Attention: For information about usage of a feature, please refer to the User's Guide.

Warning: Hot surface. Do not touch.

An arrow pointing to the lamp door on the projector.

Warning: Laser radiation. Do not stare into laser beam.

Customer Service

If you need assistance, call InFocus Customer Service directly at **1-800-799-9911**. Support is free between 6 a.m. and 6 p.m. PST, Monday through Friday. Support is available in North America after hours and weekends for a fee at **1-888-592-6800.**

Or, send us an e-mail at techsupport@infocus.com

In Europe, call InFocus in The Netherlands at **(31) 35-6474010**.

In Asia, call **(65) 332-0659**.

LP™755

INTRODUCTION

InFocus®

INTRODUCTION

The InFocus® LP™755 lightweight multimedia projector combines powerful and sophisticated features with easy-to-use, intuitive controls. Built-in multimedia features include audio, a palette of 16.7 million colors and active matrix liquid crystal display (LCD) technology. It delivers crisp, clear XGA 1024x768 images. The LP755 is ideal for high-performance business, training and imaging applications that demand exceptional color quality.

Image Resolution

The XGA resolution of the LP755's projected image is 1024x768. Screen resolutions between 1024x768 and 1280x1024 are compressed to 1024x768. The projector cannot compress screen resolutions above 1280x1024. If your computer's screen resolution is higher than 1280x1024, reset it to a lower resolution before you connect the projector.

NOTE: *The projector automatically expands 640x480 and 800x600 images to 1024x768. You can display these images at their original resolutions by turning off the Auto Resize feature.* *See "Auto Resize" on page 29 for more information.*

Compatibility

The projector is compatible with a wide variety of computers and video devices, including:

- IBM-compatible computers, including laptops, up to 1280x1024 resolution at 75 Hz.
- Apple Macintosh and PowerBook computers up to 1280x1024 resolution.
- Most standard VCRs, camcorders, DVD and laser disc players.

NOTE: *Selected workstations are also supported. Contact your InFocus dealer for details.*

Unpacking the Projector

The projector comes with the items shown in Figure 1. Check to make sure all are included. Contact your InFocus dealer immediately if anything is missing.

If you are experienced in setting up presentation systems, use the *LP755 Quick Start* card that was included in the projector's case. For complete details on connecting and operating the projector, refer to this User's Guide. User's Guides are also available for download from our web site at **http://www.infocus.com**.

A registration card is included in the box. Register to receive product updates, announcements, and special offers from InFocus. Or, register online at www.infocus.com/service/register and you will be automatically entered to win free merchandise.

NOTE: *The contents of your shipping box may vary depending on the configuration you've ordered.*

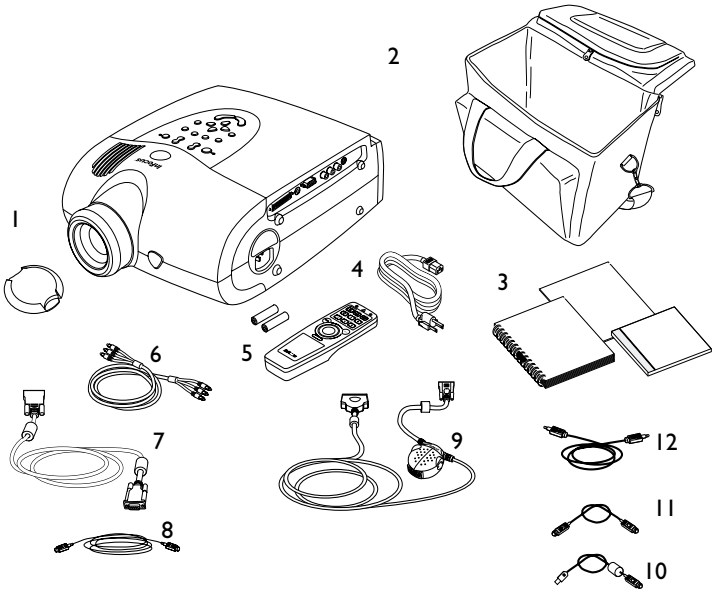

FIGURE 1

Shipping box contents

1. LP755 projector and lens cap
2. Soft carry case
3. LP755 documentation: User's Guide, Quick Start card, online CD
4. power cord
5. remote and batteries
6. RCA audio/video (A/V) cable
7. VESA cable
8. VESA audio cable
9. CableWizard[3]
10. CableWizard USB mouse cable
11. CableWizard PS/2 mouse cable
12. CableWizard audio cable

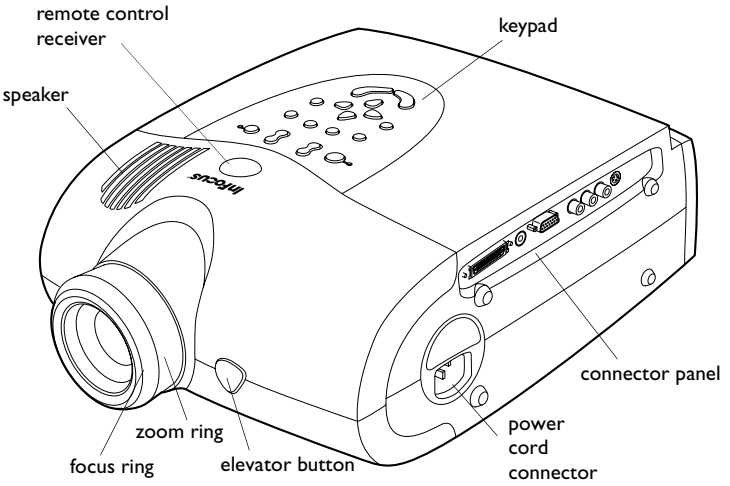

FIGURE 2

Projector

Usage Guidelines

- Do not look directly into the projection lens when the projector is turned on. The bright light may harm your eyes.
- Do not block the grills on the projector. Do not place the projector on cloth table coverings, as they may get sucked up to the vents. Restricting the air flow can cause it to overheat and turn off.
- Handle the projector as you would any product with glass components. Be especially careful not to drop it.
- Avoid leaving the projector in direct sunlight or extreme cold for extended periods of time. If this happens, allow it to reach room temperature before use.
- This projector is not intended for use in a mainframe computer room as defined in the Standard for the Protection of Electronic Computer/Data Processing Equipment, ANSI/NFPA 75.
- Transport the projector in a vendor-approved hard or soft case. Part numbers for these cases are listed on page 52. Call your InFocus dealer to order.

***NOTE**: If you turn the projector off then back on again, it takes about 30 seconds for the lamp to light.*

If You Need Assistance

The first place to look for help is in this manual. Be sure to check the guidelines in "Troubleshooting" on page 42.

If this manual doesn't answer your question, call your InFocus dealer. You can also call InFocus Customer Service directly at **1-800-799-9911**. Customer Service is free between 6 a.m. and 6 p.m. PST, Monday through Friday. Service is available in North America after hours and on weekends for a fee at **1-888-592-6800**.

In Europe, call InFocus in The Netherlands at **(31) 35-6474010**.

In Singapore, call **(65) 332-0659**.

Or, send us an e-mail at **techsupport@infocus.com**

Our World Wide Web address is **http://www.infocus.com**.

Warranty

This product is backed by a limited two-year warranty. The details of the warranty are printed at the back of this manual. A longer term warranty can be purchased from your InFocus dealer. Refer to page 52 for the part number.

LP™755

SETTING UP THE PROJECTOR

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SETTING UP THE PROJECTOR

1 Place the projector on a flat surface.

- The projector must be within 10 feet (3 m) of your power source and within 8 feet (2.4 m) of your computer.
- If you want to project from behind a translucent screen, set up the projector behind your screen. See "Rear Projection" on page 32 to reverse the image.
- If you are installing the projector on the ceiling, refer to the *LP755 Ceiling Mount Installation Guide* that comes with the Ceiling Mount Kit for more information. To turn the image upside down, see "Ceiling Projection" on page 32. The Ceiling Mount Kit is sold separately; see page 52.

2 Position the projector the desired distance from the screen.

- The distance from the lens of the projector to the screen determines the size of the projected image. Figure 3 shows three projected image sizes using the lens at maximum zoom. For more information about image size, see "Projected Image Size" on page 58.

3 Make sure the projector and your computer are turned off.

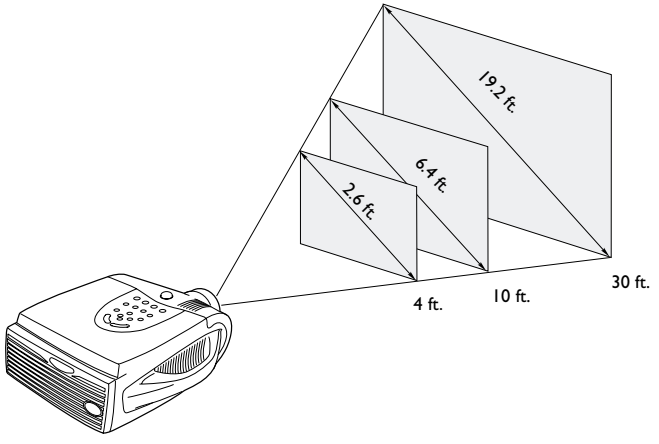

FIGURE 3

Projected image size (maximum zoom)

***NOTE**: An optional extension cable, sold separately, lets you increase the distance between the projector and your computer to 68 feet (21 m). See "Optional Accessories" on page 52.*

CAUTION: *Turn off the computer, monitor and projector whenever you connect or disconnect cables.*

NOTE: *The LP755 is optimized for use with newer CableWizards (2 and 3). If you have a CableWizard 1 from older models of InFocus projectors, we do not recommend using it as image quality is reduced. The label on the bottom reads CableWizard or CableWizard II or CableWizard*^{3}*.*

Connecting the CableWizard™^{3} to the Projector

The CableWizard^3 (referred to as "CableWizard" in this manual for brevity) simplifies the connection process by providing a central hub for all the connections between the projector and your computer. The connectors on the CableWizard are labeled with icons. The CableWizard also has an LED that lights solid green when the projector is on and CableWizard is functioning properly. A slowly blinking LED indicates CableWizard is waiting to initialize with the projector; a rapidly blinking LED indicates a problem with CableWizard.

Connect the end of the CableWizard cable to the connector on the projector's connector panel (Figure 4).

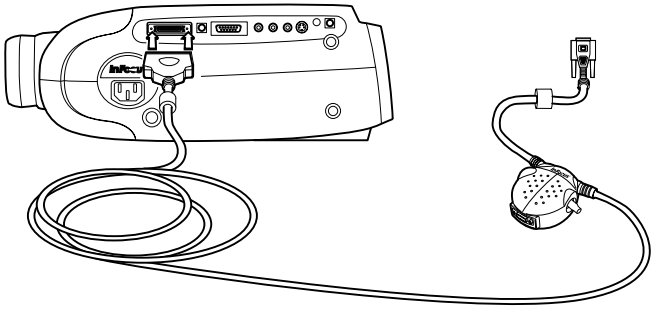

FIGURE 4

Connecting the CableWizard to the projector

Preparing to Connect Your Equipment to the Projector

Now you're ready to connect your equipment. Computers are either connected to the CableWizard or directly to the projector via the VESA connector. Video players and other equipment, such as external speakers, are connected directly to the projector.

Steps for connecting the different types of equipment are given on the pages listed below.

Equipment you want to connect	Page
Laptop computer with CableWizard	page 8
Desktop computer with CableWizard	page 10
Computer with VESA cable	page 12
USB or PS/2 mouse	pages 8-9, page 11
Video player	page 13
External speaker	page 15

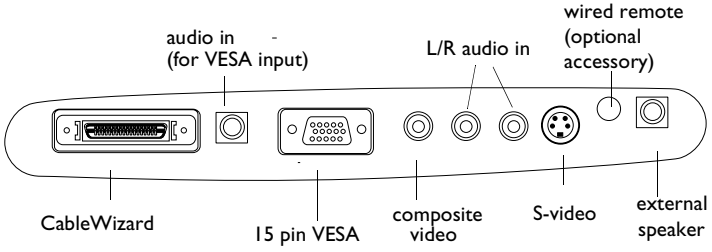

FIGURE 5

Connector panel

***NOTE**: Before you continue, make sure the projector and your equipment are turned off. If you're connecting a computer, make sure the distance between it and the projector is 10 feet or less.*

***NOTE**: In some older computers, the monitor connector does not have a hole for Pin 9. If you have trouble connecting the CableWizard cable to your computer, contact InFocus Technical Support.*

***NOTE:** If you are connecting an older Macintosh computer that does not have a 15-pin connector, you must use Mac adaptors (ordered separately).*

Connecting a Laptop Computer

1 Plug the end of the CableWizard cable into the video connector on your laptop.

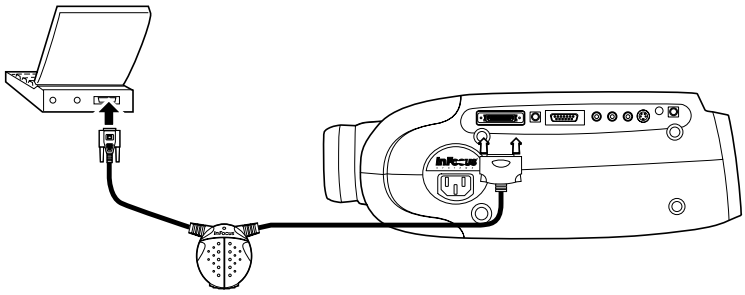

FIGURE 6

Connecting the CableWizard to a laptop computer

Do you want to play your computer's audio on the projector?

1 Plug either end of the CableWizard audio cable into the audio connector on your computer.

2 Plug the other end of the audio cable into the connector on the CableWizard.

Do you want to control the computer's mouse from the projector's remote or keypad?
If your computer has a PS/2 connector, use the PS/2 mouse cable

1 Plug the end of the CableWizard mouse cable into the mouse connector on your computer.

2 Plug the end of the CableWizard mouse cable into the connector on the CableWizard.

NOTE: *Many laptop computers do not automatically turn on their external video port when a secondary display device such as a projector is connected. Refer to your computer manual for the command that activates the external video port. Activation commands for some laptop computers are listed in the Appendix.*

NOTE: *If you don't want audio or mouse control, you can use a simplified cable called CableWizard Lite, ordered separately. See "Optional Accessories" on page 52.*

NOTE: *If you are connecting an older Macintosh computer that does not have a 15-pin connector, you must use Mac adaptors (ordered separately). See "Optional Accessories" on page 52.*

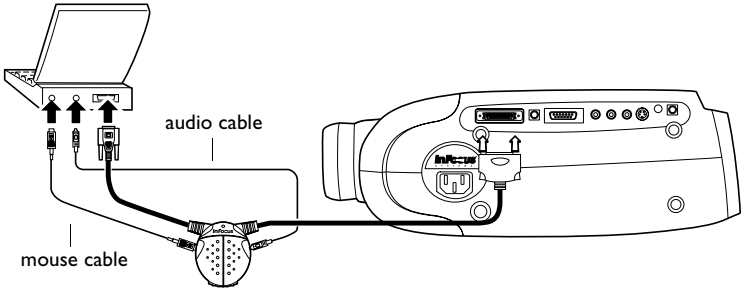

FIGURE 7

Connecting the CableWizard audio and mouse cables to a laptop computer

If your computer has a USB connector and is running Windows 98, use the USB mouse cable

1 Plug the end of the CableWizard mouse cable into the mouse connector on your computer.

2 Plug the end of the CableWizard mouse cable into the connector on the CableWizard.

You must have the appropriate USB drivers installed on your computer to use the USB feature. Windows 98 ships with the appropriate drivers.

Now you're ready to power up the projector and your laptop. Skip to "Powering up the Projector and Adjusting the Image" on page 15.

NOTE: *The USB mouse is supported for use with Windows 98 only.*

NOTE: *A USB mouse is hot-pluggable, meaning you do not need to re-boot your computer after connecting the mouse to use it. A PS-2 mouse is not hot-pluggable.*

Connecting a Desktop Computer

1 Locate the cable that connects your monitor to your computer. Unplug it from the computer.

2 Plug the end of the CableWizard cable into the monitor connector on your computer.

NOTE: *If you are connecting an older Macintosh computer that does not have a 15-pin connector, you must use Mac adaptors (ordered separately). See "Optional Accessories" on page 52.*

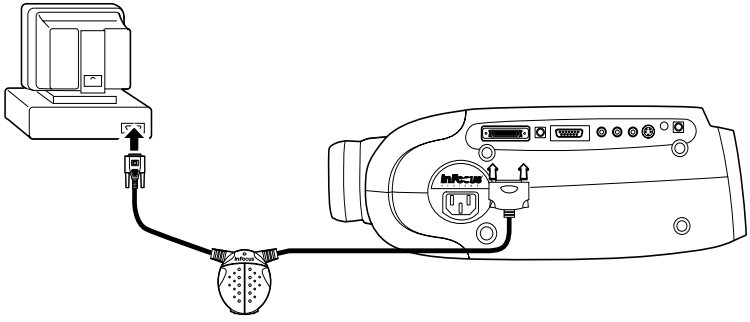

FIGURE 8

Connecting the CableWizard cable to a desktop computer

Do you want to display the image on your computer's monitor as well as on the projection screen?

1 Plug your monitor's cable into the connector on the CableWizard.

NOTE*: The projector must be turned on to display the image on your monitor.*

Do you want to play your computer's audio on the projector?

1 Unplug the audio cable, if present, from your computer.

2 Plug either end of the CableWizard audio cable into the audio connector on your computer.

3 Plug the other end of the audio cable into the connector on the CableWizard.

Do you want to control your computer's mouse from the projector's remote or keypad?
If your computer has a PS/2 connector, use the PS/2 mouse cable

1. Unplug the mouse cable from your computer.
2. Plug the end of the CableWizard mouse cable into the mouse connector on your computer.
3. Plug the end of the CableWizard mouse cable into the connector on the CableWizard.

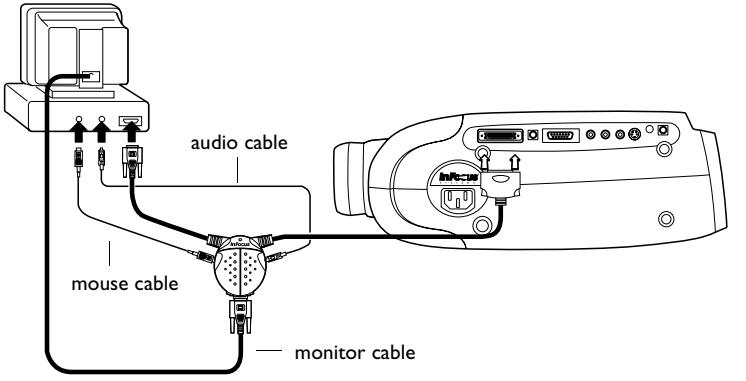

FIGURE 9

Connecting the CableWizard monitor, audio and mouse cables to a desktop computer

***NOTE**: A USB mouse is hot-pluggable, meaning you do not need to re-boot your computer after connecting the mouse to use it. A PS-2 mouse is not hot-pluggable.*

If your computer has a USB connector and is running Windows 98, use the USB mouse cable

1. Plug the end of the CableWizard mouse cable into the mouse connector on your computer.
2. Plug the end of the CableWizard mouse cable into the connector on the CableWizard.

***NOTE:** The USB mouse is supported for use with Windows 98 only.*

You must have the appropriate USB drivers installed on you computer to use the USB feature. Windows 98 ships with the appropriate drivers.

Now you're ready to power up the projector and your computer. Skip to "Powering up the Projector and Adjusting the Image" on page 15.

Connecting a Computer Using a VESA cable

The supplied VESA cable connects to the High Density 15-pin connector (HD 15) on the projector. This input is designated Computer 2.

1. Locate the cable that connects your monitor to your computer. Unplug it from the computer.
2. Plug one end of the VESA cable into the video connector on your computer.
3. Plug the other end of the VESA cable into the HD 15 connector on the projector.

Do you want to play your computer's audio on the projector?

1. Unplug the audio cable, if present, from your computer.
2. Plug either end of the CableWizard audio cable into the audio connector on your computer.
3. Plug the other end of the audio cable into the connector on the projector.

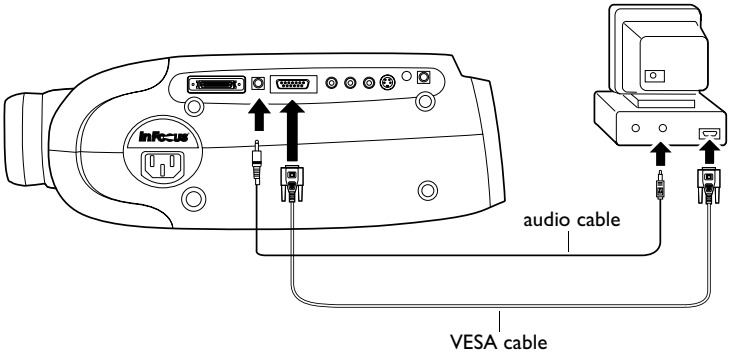

FIGURE 10

Connecting the VESA computer cable to a computer

Connecting a Video Player

1. If your video player uses a round, one-prong composite video connector, you'll need only the A/V cable that shipped with the projector.
   - If your video player uses a round, four-prong S-video connector, you'll need an S-video cable in addition to the A/V cable. The S-video cable is sold separately. (See "Optional Accessories" on page 52.)
2. Plug the A/V cable's yellow connector into the "video-out" port on your video player (Figure 11). This port may be labeled "To Monitor."
   - If you're using an S-video cable, connect it to the "S-video out" connector on the video player (Figure 12).
3. Plug the other yellow connector into the composite connector on the projector.
   - If you're using S-video, plug the other end of the cable into the "S-video" connector on the projector (Figure 12).

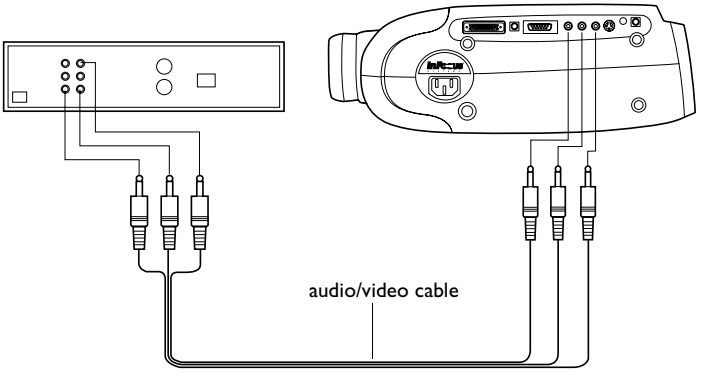

FIGURE 11

Connecting the projector to a video player using the standard A/V cable (with composite video connector)

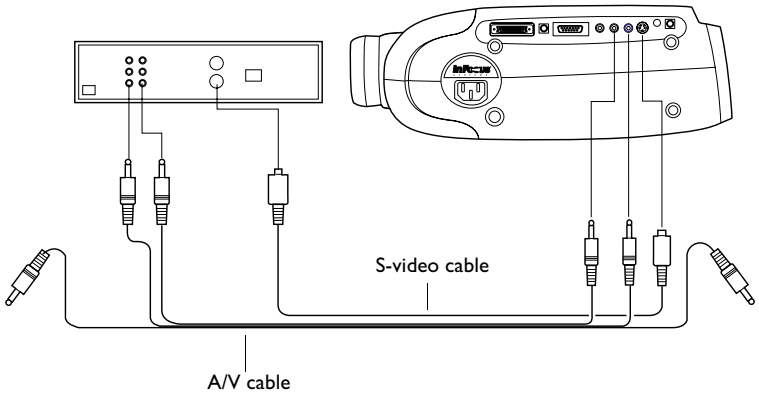

FIGURE 12

Connecting the projector to a video player using an S-video cable and the audio connectors on the standard A/V cable

4 Plug the A/V cable's white connector into the left "audio out" port on your video player. Plug the cable's red connector into the right "audio out" port on the video player (Figure 11 and Figure 12).

- If you're using an S-video cable, the yellow connectors on the A/V cable remain unused (Figure 12).

5 Plug the A/V cable's other white and red connectors to the left and right "audio in" ports on the projector.

CAUTION: *Your video player may also have a "Video Out" port for a coaxial cable connection. DO NOT use this to connect to the projector.*

The projector is compatible with these major broadcast video standards: NTSC, NTSC 4.43, PAL, PAL-M, PAL-N, and SECAM. It automatically adjusts to optimize its performance for the incoming video. The input signals for SECAM, PAL-M, and PAL-N video cannot be automatically detected, therefore they must be chosen manually; see "Video Standard" on page 31.

Connecting an External Speaker

To connect one or two external speakers, plug the speaker cable into the (audio out) connector on the projector.

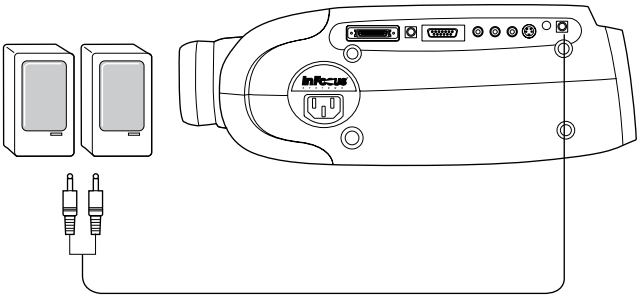

FIGURE 13

Connecting an external speaker

Powering up the Projector and Adjusting the Image

1. Remove the lens cap.
2. Plug the power cord into the side of the projector, then plug it into your electrical outlet. A surge-protected power strip is recommended if power surges are common in your area.
   - The fans turn on and run at low speed. After the projector has initialized, the Power LED (Figure 18 on page 21) lights solid green.
3. Turn on the projector by pressing the **power** button on the remote or keypad. (You can set the projector to turn on automatically when it is powered on. See "Auto startup" on page 33.)
   - The InFocus startup screen displays.
4. If you connected a video player, turn it on.
   - Press the **video** button on the keypad to display the image from your video player. (You can select a default source to determine which source the projector examines first during power-up for active video; see "Default Source" on page 32.)
   - Use the **volume** buttons to adjust the volume.

***NOTE**: Always use the power cord that shipped with the projector.*

***CAUTION:** If the lamp LED remains solidly lit after the projector has powered on, the lamp needs to be replaced. Refer to "Replacing the Projection Lamp" on page 39 for more information.*

***NOTE**: With some computers, the order in which you power up the equipment is very important. Most computers should be turned on last, after all other peripherals have been turned on. Refer to your computer's documentation to determine the correct order.*

- If you don't want to hear the sound from your video player, press the **mute** button.

5 If you connected any external speakers, turn them on.

6 If you connected your monitor, turn it on.

7 If you connected your computer, turn it on.

- The computer image should display on the projection screen. (If a video source is active, press the **comp** button to display your computer's image.)
- If necessary, use the **brightness** buttons on the keypad to adjust the brightness. You can make further adjustments to the image from the projector's on-screen menus. To open the menus, press the **menu** button on the keypad. Then select the Display menu or the Image menu. For more information about the menus, see page 24.
- If you don't want to hear the sound from your computer, press the **mute** button.

***NOTE**: The first time you connect your computer to the projector, the computer may display a message stating that new hardware was found. The Add New Hardware Wizard may appear. Use the Wizard to load the correct driver (the computer considers the projector a Plug and Play Monitor).*

Turning Off the Projector

If you want to turn off the projector for a short period of time, press the **standby** button on the remote or keypad. The Standby LED on the keypad lights solid green. This blanks the screen for 15 minutes, but keeps the projector running. After 15 minutes, the projector turns off. You must press the **power** button to restart. To exit standby mode, press the **standby** button again. The Standby LED goes out. You can change the amount of time the projector stays in standby mode; see "Standby Time" on page 31.

To turn off the lamp, press the **power** button on the remote or keypad.

If you want to turn the lamp back on, we recommend waiting 30 seconds.

***CAUTION:** When you disconnect the projector after you have turned it off, always remove the power cord from the electrical outlet first, then remove it from the projector.*

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USING THE PROJECTOR

InFocus®

USING THE PROJECTOR

This section describes how to use and make adjustments to the projector. It also provides a reference to the keypad and remote buttons and the options available from the on-screen menus.

Basic Image Adjustment

1. Make sure you have powered up your equipment in the right order (page 15).
2. If the image doesn't display completely, adjust the height and tilt of the projector (page 19), zoom the image (page 19 and page 30), or center the image by adjusting its horizontal or vertical position (page 30).
3. If the image is out of focus, rotate the lens to focus it (page 19).
4. If the image appears to shimmer or if it has blurry vertical bars after you have adjusted the focus, turn Auto Image (page 29) off and then back on to reset the automatic sync and tracking. If that doesn't clear up the image, adjust the sync (page 29) and/or the tracking (page 30) manually.
5. If the colors don't look right, adjust the brightness (page 22) and tint (page 25).

Using the Remote Control

Point the remote control at the projection screen or at the top of the projector. The range for optimum operation is about 25 feet. If you point the remote at the projection screen, the distance to the screen and back to the projector must be less than or equal to 25 feet. For best results, point the remote directly at the front or the rear of the projector.

The projector ships with a full-feature remote (see page 21 for a description of the buttons) which includes a laser pointer. The remote has a disk mouse and two mouse buttons, one on the top of the remote and one on the bottom (Figure 14).

NOTE: *If you can't aim the remote control at the projector so that its signal is received — for example, when using rear projection — use the optional remote control cable to connect the remote directly to the projector.*

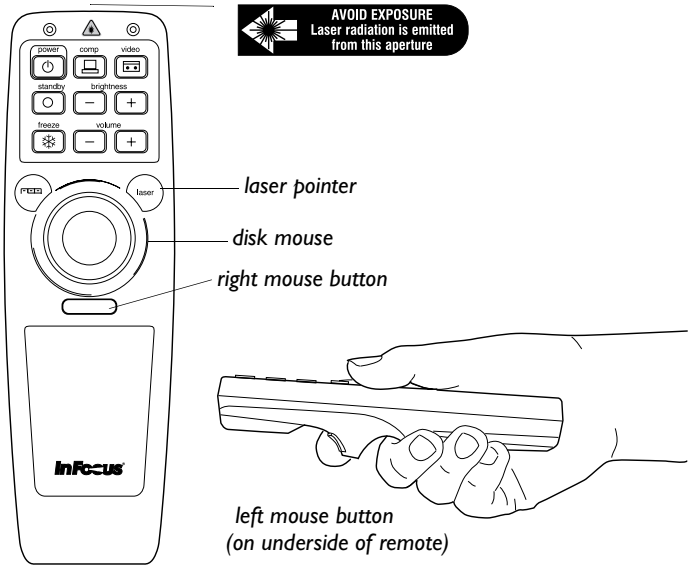

FIGURE 14

Remote control

NOTE: *To control the computer's mouse from the projector's remote or keypad, you must connect the mouse cable to the CableWizard.* *See page 7 for details.*

CAUTION
LASER RADIATION – DO NOT STARE INTO BEAM
WAVE LENGTH: 670nm
MAX OUTPUT: < 1mW
CLASS II LASER PRODUCT

Press anywhere on the edge of the disk mouse to move the cursor on the screen. You can move the cursor at any angle by pressing the corresponding edge of the disk. The mouse button on the top of the remote simulates your computer's right mouse button; the button on the bottom simulates your computer's left mouse button. When you press the disk mouse, the remote lights up. The light goes off 10 seconds after you stop pressing buttons.

To use the laser, press and hold the laser button. The laser goes off when the button is released.

If you are creating presentations in Microsoft® PowerPoint®, you can use the remote's mouse buttons to navigate through your presentation while in Slide Show mode. To configure PowerPoint for this, choose Options from the Tools menu, click the View Tab, de-select the "Popup Menu on Right Mouse Click" option in the Slide Show section, then click OK. Then, when you're in PowerPoint's Slide Show mode, a left click advances to the next slide and a right click returns to the previous slide (other PowerPoint modes are not affected).

Adjusting the Projector

To focus the image, rotate the focus ring (Figure 15) until the image is clear. To zoom the image, rotate the zoom ring. This adjusts the image size without affecting focus.

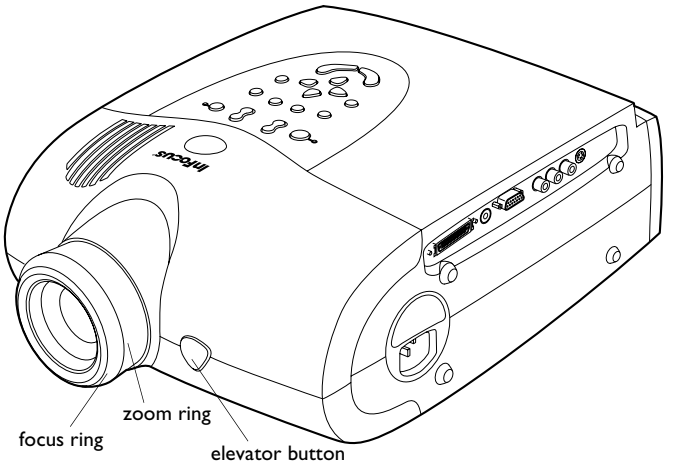

FIGURE 15

Focus ring, zoom ring, and elevator button

The projector is equipped with a self-locking, quick-release elevator foot and button (Figure 15) and a leveling knob (Figure 16).

FIGURE 16

Leveling knob

To raise the projector:

1. Press and hold the elevator button (Figure 15).
2. Raise the projector to the height you want (Figure 17), then release the button to lock the elevator foot into position.
3. If necessary, use the leveling knob (Figure 16) to adjust the angle of the projected image.

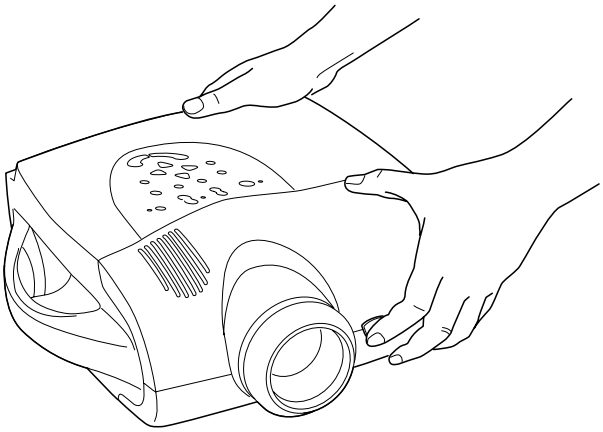

FIGURE 17

Adjusting the height of the projector

To lower the projector:

1. Press and hold the elevator button.
2. Lower the projector to the height you want, then release the button to lock the elevator foot into position.
3. If necessary, use the leveling knob (Figure 16) to readjust the angle of the projected image.

Using the Keypad and Remote Buttons

This section provides an alphabetical reference to the keypad and remote buttons.

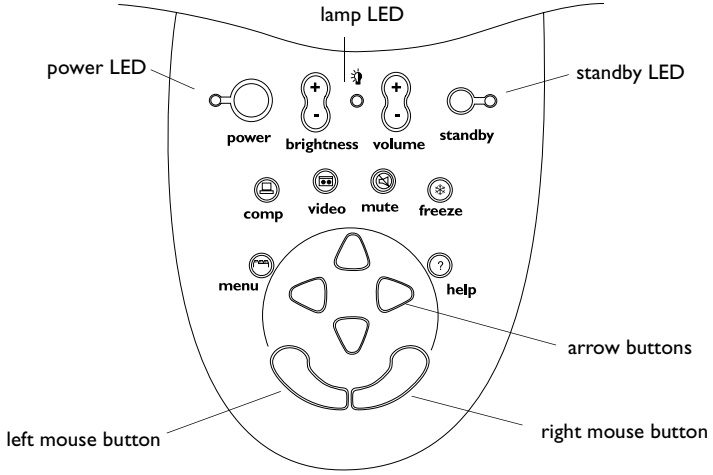

FIGURE 18

Keypad

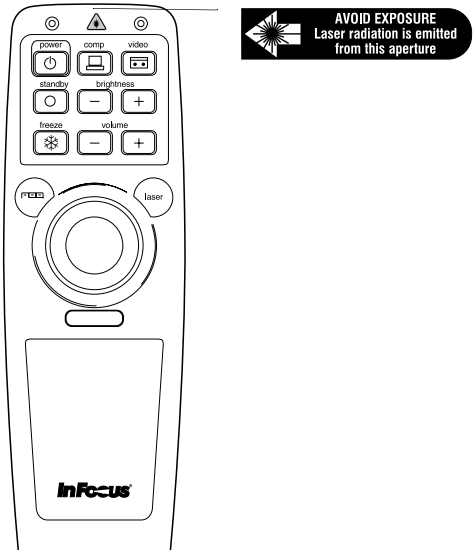

FIGURE 19

Remote

Brightness + or -
Adjusting the brightness lightens or darkens the image.

- To darken the image, press **-**.
- To lighten the image, press **+**.

Computer
When you have more than one source (computer 1 or 2 or video) connected to the projector, select between them by pressing the button for the source you want.

Press **comp** to display your computer image. Press **comp** again to toggle between computer 1 and computer 2.

Freeze
The **freeze** button halts, or "freezes" the projected image. Use this button to freeze a frame of video (the video continues to run but the projected image is frozen). You can also freeze an image from a computer source on the screen, allowing you to perform other operations on the computer without the audience seeing them. Press **freeze** again when you want the image to return to normal.

Help (keypad only)
Press **help** to display the on-screen help information.

Laser (remote only)

The laser button activates a laser beam that can be used as a pointing device. To use the laser, press and hold the laser button. The laser goes off when the button is released.

Menu
Press **menu** to open the on-screen menus. Press **menu** again to close the menus. When you close the menus, the projector saves any changes you made. For more information about the on-screen menus, see page 24.

Mute (keypad only)
Pressing the **mute** button silences the internal speaker. It also silences any external speakers that are connected.

To return the volume to its previous setting, press **mute** again or press either **volume** button.

Power

The **power** button turns the projector on and off. When you plug the projector in, the fan runs on low speed and the Power LED lights after the projector has initialized. When the Power LED is lit, you can press the **power** button to turn the lamp on.

When you press the **power** button while the projector is on, the lamp stays on for 15 seconds before shutting off. If you press power again within 15 seconds, the projector returns to normal operation immediately. The fan continues to run until the projector is unplugged.

Standby

When you press **standby**, the display and audio turn off and a blank screen is displayed for 15 minutes. The Standby LED lights while the projector is in standby. After 15 minutes, the lamp goes out if you haven't pressed **standby** again. You can change the amount of time the projector stays in standby mode; see "Standby Time" on page 31 for details.

- If you press **standby** again within 15 minutes, the projector returns to normal operations immediately.
- After 15 minutes, the projector turns off. You must press **power** to restart.

Video

When you have more than one source (computer 1 or 2 or video) connected to the projector, select between them by pressing the button for the source you want.

Press **video** to display the image from your video player.

Volume + or -

- To increase the volume, press **+**.
- To decrease the volume, press **-**.

Volume adjustments are saved for each source you have connected.

Using the On-Screen Menus

The projector has six drop-down menus that allow you to make image adjustments and change a variety of settings. Most of these adjustments aren't available directly from the keypad or remote.

To open the on-screen menus, press the **menu** button on the remote or keypad. Press **menu** again when you want to close the menus and save any changes.

To select a menu, use the arrow keys on the keypad or disk mouse on the remote to move the cursor left and right to highlight the menu you want. The drop-down menu appears

.

FIGURE 20

Drop-down menu

To change a menu setting, use the up and down arrow keys on the keypad or the disk mouse on the remote to move the cursor up and down to the item you want to change (the selected item is highlighted red), then use the left and right mouse buttons (not the left and right arrow buttons) to adjust a setting. Some sub-menus, such as Brightness, consist of a slider bar you use to increase or decrease a value; some submenus, such as Standby Time, consist of options you scroll through to select the desired one. All changes are saved when you close the menus.

To access another menu, use the left and right arrow buttons to move left or right to another menu.

Display Menu

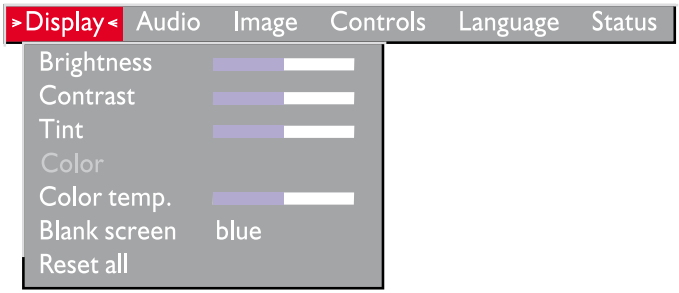

FIGURE 21

Display menu

Brightness

Adjusting the brightness changes the intensity of the image.

- Press the left mouse button to darken the image.
- Press the right mouse button to lighten the image.

Contrast

The contrast controls the degree of difference between the lightest and darkest parts of the picture. Adjusting the contrast changes the amount of black and white in the image.

- Press the left mouse button to decrease the contrast.
- Press the right mouse button to increase the contrast, making the blacks appear blacker and the whites appear whiter.

Tint

The tint adjusts the red-green color balance in the projected image. Changing the Tint setting has no effect on PAL or SECAM video sources.

- Press the left mouse button to increase the amount of green in the image.
- Press the right mouse button to increase the amount of red in the image.

Color

The color setting adjusts a video image from black and white to fully saturated color.

- Press the left mouse button to decrease the amount of color in the image.
- Press the right mouse button to increase the amount of color in the image.

Color Temperature

This setting adjusts the amount of red in the projected image.

- Press the left mouse button to decrease the amount of red in the image.
- Press the right mouse button to increase the amount of red in the image.

Blank Screen

Blank Screen determines what color is displayed when there is no active source and when the projector is in standby. Click either mouse button to toggle between the two options.

Reset All

Click either mouse button to reset all the options (except Language, Video Standard, Ceiling and Rear Projection, and Standby Time) in all the menus to their original settings. This also returns Freeze and Mute to their default (off) settings.

Audio Menu

FIGURE 22

Audio menu

Volume

- Press the left mouse button to decrease the volume.
- Press the right mouse button to increase the volume.

Volume adjustments you make are saved for each source.

Treble

The treble setting controls the high frequencies of your audio source.

- Press the left mouse button to decrease the treble.
- Press the right mouse button to increase the treble.

Treble adjustments are saved for each source you have connected.

Bass

The bass setting controls the low frequencies of your audio source.

- Press the left mouse button to decrease the bass.
- Press the right mouse button to increase the bass.

Bass adjustments are saved for each source you have connected.

NOTE: *Changing the volume from the menu is the same as changing it using the keypad or remote.*

NOTE: *The* ***Treble*** *and* ***Bass*** *settings apply only to the projector's internal speaker. External speakers typically have their own tone controls.*

Balance

The balance setting controls the balance between the left and right external speakers. It appears gray and won't highlight if you haven't connected external speakers. Balance applies to all sources you have connected.

- Press the left mouse button to increase the amount of sound coming from the left external speaker.
- Press the right mouse button to increase the amount of sound coming from the right external speaker.

Fade

The fade setting controls the balance between the internal and external speakers. The setting appears gray and won't highlight if external speakers aren't connected. Fade applies to all sources you have connected.

- Press the left mouse button to increase the amount of sound coming from the internal speaker.
- Press the right mouse button to increase the amount of sound coming from the external speakers.

Image Menu

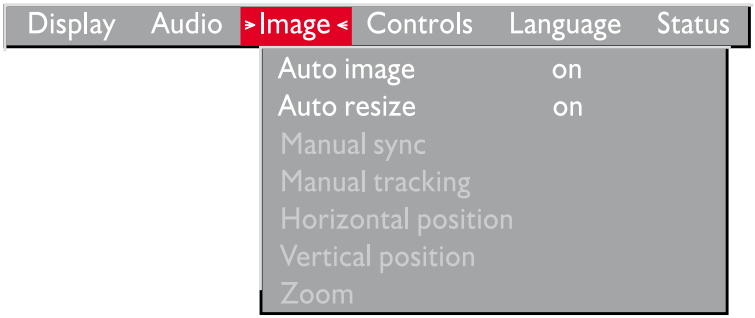

FIGURE 23

Image menu

Auto Image

The projector automatically adjusts tracking, signal synchronization and vertical and horizontal position for most computers (Auto Image does not apply to video sources). If you want to adjust these features manually, you must turn off **Auto Image** first by highlighting Auto Image in the Image menu and clicking either mouse button to select "off".

Auto Resize

Auto Resize automatically resizes the image by scaling it up or down. It only affects computer images that are not 1024x768, the projector's native resolution.

When **Auto Resize** is on, the projector makes the best fit of the image to the screen. If you turn **Auto Resize** off (by highlighting it in the Image menu and clicking either mouse button to select "off"), the image may be either cropped or too small for the screen.

Manual Sync

The projector adjusts signal synchronization automatically for most computers. But if the projected computer image looks fuzzy or streaked, try turning **Auto Image** off then back on again. If the image still looks bad, try adjusting the signal synchronization manually:

1. Turn Auto Image off.
2. Highlight Manual sync, then press either mouse button repeatedly until the image is sharp and free of streaks.

NOTE: *Some screen savers interfere with the operation of Auto Image. If you're experiencing problems, try turning your screen saver off, then turning Auto Image off and back on.*

NOTE: *The* ***Manual Sync****,* ***Manual Tracking****,* ***Horiz. Position*** *and* ***Vert. Position*** *options are available only for computer sources. The projector sets these options automatically for a video source.*

Manual Tracking

The projector adjusts tracking automatically to match the video signal from your computer. However, if the display shows evenly spaced, fuzzy, vertical lines or if the projected image is too wide or too narrow for the screen, try turning **Auto Image** off then back on again. If the image is still bad, try adjusting the tracking manually:

1. Turn Auto Image off.
2. Highlight Manual tracking, then press either mouse button repeatedly until the fuzzy vertical bars are gone.

Horizontal position

Follow these steps to manually adjust the horizontal position:

1. Turn Auto Image off.
2. Highlight Horizontal position, then press the left mouse button to move the image right or press the right mouse button to move the image left.

Positioning adjustments are saved when you power off the projector.

Vertical position

Follow these steps to manually adjust the vertical position.

1. Turn Auto Image off.
2. Highlight Vertical position, then press the left mouse button to move the image down or press the right mouse button to move the image up.

NOTE: *The Zoom feature is only available when a computer source is active. It is not available for video sources.*

Zoom

This option allows you to digitally zoom the image. Highlight Zoom, then press either mouse button. A rectangle appears on the screen. Use the arrow buttons on the keypad or the disk mouse on the remote to move the rectangle to the area you want to zoom, then click the right mouse button (not the left mouse button). The image is zoomed. To zoom further, press the right mouse button, move the rectangle to the desired area, then press the right mouse button again. You can zoom three times. To return the image to normal view, press the left mouse button. The zoom rectangle appears. To cancel zoom, activate any menu.

Controls Menu

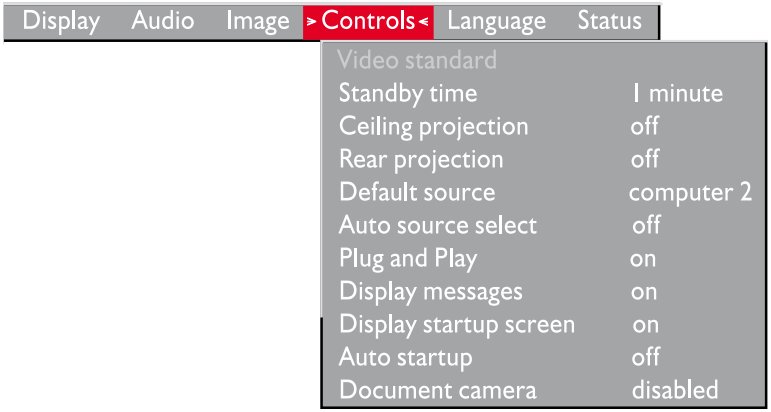

FIGURE 24

Controls menu

Video Standard

When Video standard is set to Auto, the projector attempts to pick the video standard (NTSC, NTSC 4.43, PAL, PAL-M, PAL-N, or SECAM) automatically based on the input signal it receives. (The video standard options may vary depending on your region of the world.) The input signals for SECAM, PAL-M, and PAL-N video cannot be automatically detected, therefore they must be chosen manually. If the projector is unable to detect the correct standard, the colors might not look right or the image might appear "torn." If this happens, manually select a standard by clicking either mouse button and cycling through the standards.

NOTE: *If you already know the video standard used in your geographical area, it's often best to manually select it.*

Standby Time

This option lets you select how long the lamp stays on and the blank screen is displayed when the projector enters standby mode before the projector turns off. Select among 1, 5, 10, and 15 minutes and 1 and 2 hours by clicking either mouse button and cycling through the options.

NOTE: *To order the LP755 Ceiling Mount, refer to "Optional Accessories" on page 52.*

Ceiling Projection

When you turn **Ceiling Projection** on, the projector turns the image upside down for ceiling-mounted projection. Highlight Ceiling Projection, then click either mouse button to select turn this feature on and off.

Rear Projection

When you turn **Rear Projection** on, the projector reverses the image so you can project from behind a translucent screen. Highlight Rear Projection, then click either mouse button to select turn this feature on and off.

Default Source

Default Source toggles between Computer 1, Computer 2, and Video. This determines which source the projector checks first for active video during power-up. Highlight Default Source and click either mouse button to toggle between the options.

Auto Source Select

This setting toggles between On and Off. When this feature is Off, the projector defaults to the source selected in Default Source. To display another source, you must manually select one by pressing the **comp** or **video** button on the keypad or remote. When this feature is On, the projector automatically finds the active source, checking the default source first. Highlight Auto Source Select and click either mouse button to turn this feature on and off.

Plug and Play

This setting toggles between On and Off. When it is On, most new computers will automatically recognize the LP755, then set the monitor resolution and refresh rate accordingly. You need to set the Plug and Play setting to Off for the LP755 to display properly on some older computers. The Plug and Play setting does not affect video images. If the LP755 display constantly changes between the computer image and the message, "Perfecting the image", you may need to set Plug and Play to Off.

Display Messages
This setting toggles between On and Off. When this feature is On, status messages such as "No signal detected" or "Standby" appear in the lower-right corner of the screen. Click either mouse button to turn this feature off and not see status messages.

Display Startup Screen
This setting toggles between On and Off. When this feature is On, the InFocus startup screen appears when the projector starts up and remains until an active source is detected. The startup screen contains information on contacting InFocus. Click either mouse button to turn this feature off and display a plain black or blue screen instead of the startup screen.

Auto startup
This setting toggles between On and Off. When this feature is On, the lamp turns on automatically when you power on the projector. (This is especially useful in ceiling-mounted installations.) When it is Off, you must press the Power button on remote or keypad to turn the lamp on.

Document Camera
This feature improves the quality of images generated by document cameras. Only enable this feature if you are using a document camera.

Language Menu

FIGURE 25

Language menu

You can display the on-screen menus in English, French, German, and Spanish.

- Move the cursor to the language you want, then click either mouse button. The menus redraw immediately.

Status Menu

This is a read-only menu for informational purposes. To display the status window, select Show status from the menu, then click either mouse button. To remove the window, click either mouse button.

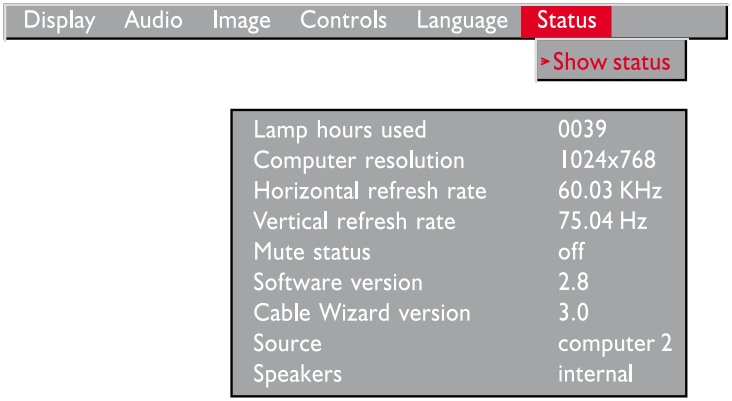

FIGURE 26

Status menu

Lamp hours used
Indicates how many hours the current lamp has been in use. The counter starts at zero hours and counts each hour the lamp is in use. When the counter reaches 3000 hours, the lamp monitor light on the projector's keypad turns on. For optimum results, the lamp should be replaced at this time. See "Replacing the Projection Lamp" on page 39 for details.

Computer resolution
Shows your computer's resolution setting. To change this, go to your computer's Control Panel and adjust the resolution in the Display tab. See your computer's user's guide for details.

Horizontal refresh rate
The time period that one horizontal line is displayed.

Vertical refresh rate
The time period that one video frame is displayed.

Mute status
Indicates if the audio is muted.

Software version
Indicates the projector's software version. This information is useful when contacting Technical Support.

CableWizard version
Indicates the CableWizard's software version. This information is useful when contacting Technical Support.

Source
Indicates the active source, Computer 1 (CableWizard), Computer 2 (VESA input) or Video.

Speakers
Indicates if external speakers are connected.

Help menu

This menu contains information on connecting your projector, activating your laptop's external video, and troubleshooting your projector. Highlight the desired topic, then press either mouse button to display the information.

LP™755

MAINTENANCE AND TROUBLESHOOTING

InFocus®

MAINTENANCE & TROUBLESHOOTING

This section describes how to:

- clean the lens
- clean the fan intake filter
- replace the projection lamp
- replace the batteries in the remote control
- use the security lock feature
- troubleshoot the projector

Cleaning the Lens

Follow these steps to clean the projection lens:

1. Apply a non-abrasive camera lens cleaner to a soft, dry cloth.
   - Avoid using an excessive amount of cleaner and applying the cleaner directly to the lens.
   - Abrasive cleaners, solvents or other harsh chemicals might scratch the lens.
2. Lightly wipe the cleaning cloth over the lens.
3. If you don't intend to use the projector immediately, replace the lens cap.

Cleaning the Fan Intake Filter

The fan intake filter on the bottom of the projector catches dust and particles in the air. If the filter becomes clogged, the projector does not cool properly and may malfunction. To prevent this, clean the filter after every 100 hours of use.

1. Turn off the projector and unplug the power cord.
2. Remove the lamp door.
   - Remove the screw on the outside of the lamp door (Figure 27).
   - Pull the lamp door up and remove it.

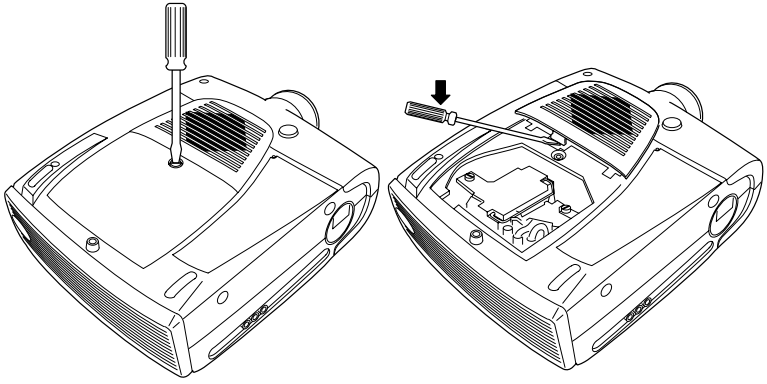

FIGURE 27

Removing the lamp and filter doors

3 Using a screwdriver or your hand, push the tab on the filter door forward and lift the door out.

4 Clean the filter.

- Use a vacuum cleaner set on low power to remove the dust and dirt.

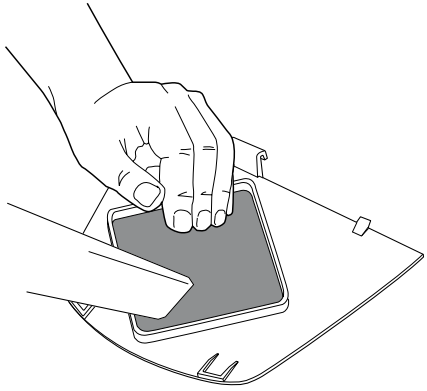

FIGURE 28

Cleaning the air filter

5 Replace the filter.

- First, insert the side with the tabs, then press the other end in place.

Replacing the Projection Lamp

The lamp hour counter in the Status menu counts the number of hours the lamp has been in use. After 3000 hours of use, the lamp monitor LED, marked on the top of the projector near the keypad, lights yellow. For optimum results, the lamp should be replaced at this time. You can order new lamp modules from your InFocus dealer. See "Accessories" on page 51 for information.

Follow these steps to replace the projection lamp:

1. Turn off the projector and unplug the power cord.
2. Wait 30 minutes to allow it to cool thoroughly.
3. Using a small, flat-blade screwdriver, loosen the screw on the outside of the lamp door (Figure 29).
4. Pull the lamp door up and remove it.

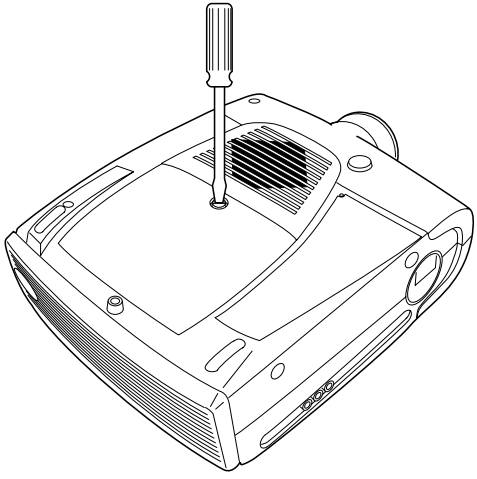

FIGURE 29

Removing the lamp module door

5. Loosen the two non-removable screws on the outside of the module (Figure 30).
6. Remove the module by grasping its handle and pulling it out of the projector (Figure 30). Dispose of the lamp module in an environmentally proper manner.

WARNING: *To avoid burns, allow the projector to cool for at least 30 minutes before you open the lamp module door. Never extract the lamp module while the lamp is operating.*

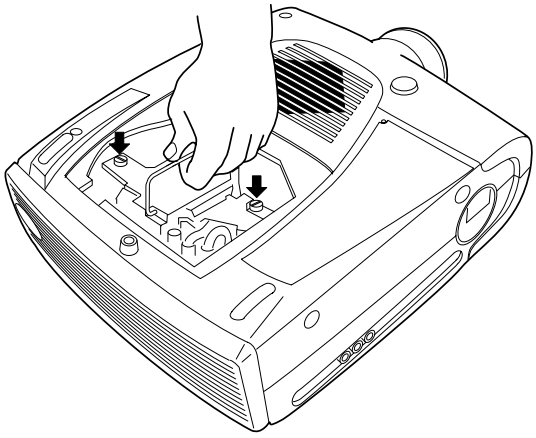

FIGURE 30

Removing the lamp module

WARNING: *Do not drop the lamp module or touch the glass bulb! The glass may shatter and cause injury.*

7 Align the new lamp module in the correct direction.

8 Gently push the module in as far as it goes.

9 Tighten the screws on the outside of the module.

10 Reposition the lamp door.

11 Tighten the lamp door screw.

12 Plug in the power cord and turn the projector back on. The lamp monitor light and lamp hour counter in the Status menu are automatically reset.

Replacing the Batteries in the Remote Control

The life of the batteries depends on how often and how long you use the remote. Symptoms of low battery charge include erratic responses when using the remote and a reduced range of operation.

Follow these steps to replace the batteries:

1. Turn the remote face down in your hand.
2. Slide the battery cover off the end of the remote by pressing on it with the heel of your hand.
3. Remove the old batteries and dispose of them in an environmentally proper manner.
4. Install two new AA alkaline batteries. Make sure you install each in the correct direction.
5. Slide the battery cover back on the remote.

Using the Security Lock

The projector has a security connector for use with a PC Guardian Cable Lock System (Figure 31). Refer to the information that came with the lock for instructions on how to use it to secure the projector.

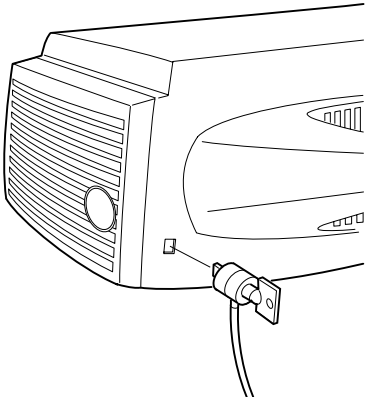

FIGURE 31

Installing the security lock

Troubleshooting

If you're experiencing trouble with the projector, follow these steps to make sure everything is properly connected before you call Technical Support for assistance.

1. Check cable connections. Verify that all computer, CableWizard and power cables are properly connected.
2. Verify that all power is switched on.
3. Verify that the projector is not in standby (the Standby LED on the keypad is lit when the projector is in standby).
4. If the projector still doesn't display an image, restart the computer.
5. If the problem still exists, unplug the cable from the computer and check the computer monitor's display. The maximum resolution that the projector can display is 1280x1024 pixels, preferably 1024x768. The problem might be with the graphics controller in your computer rather than with the projector. When you reconnect the projector, remember to turn the computer and monitor off before you power up the projector. Power the equipment back up in this order: projector, monitor, computer.
6. If you're using a laptop computer and it is not displaying your presentation, make sure you have activated the computer's external video output. Most laptop computers do not automatically turn on their external video port when a secondary display device such as a projector is connected. Refer to page 53 for more information.
7. If the problem still exists, read through the problems and solutions in this chapter.

NOTE: *Macintosh computers require a specific power-up sequence: the projector must be turned on before you turn on the computer.*

Solutions to Common Problems

Problem: Nothing on projection screen

- Make sure that the power cord is properly connected to a functional AC electrical outlet. Make sure that the power cord is also properly connected to the projector and the green Power LED is lit.
- If the projector is plugged into a power strip, make sure the power strip is turned on.
- Make sure you have removed the lens cap from the projection lens at the front of the projector.
- Make sure the projector is turned on.
- Check the projector's lamp to ensure that it is securely connected in the lamp module. See "Replacing the Projection Lamp" on page 39.
- Make sure that the CableWizard and the cables do not have any bent pins. Check the power cord for bent pins also.

Problem: Color or text not being projected

- You might need to adjust the brightness up or down until the text is visible. Refer to "Brightness + or -" on page 22 for more information.
- Verify that the appropriate input source is selected. See "Computer" on page 22 or "Video" on page 23.

Problem: The screen resolution is not right

- Make sure the computer's graphics card is set for a resolution of no greater than 1280x1024.

Problem: Image isn't centered on the screen

- Reposition the image. Refer to "Horizontal position" on page 30 and "Vertical position" on page 30.
- If you're using an extension cable between the CableWizard and the projector, make sure it's InFocus-approved.

Problem: Only the start-up screen displays

- Verify that the cables are connected correctly. Check to see that the CableWizard computer cable is correctly connected to the monitor connector on the computer (this is the connector where your monitor cable usually goes.) See page 6 for connection procedures.
- Verify that the proper input source is connected. See "Computer" on page 22 or "Video" on page 23.
- You might need to turn everything off and power up the equipment again. Make sure you power up in this order: projector, computer monitor, computer. It is especially important that you follow this sequence for Macintosh computers.
- Make sure your computer's graphics board is installed and configured correctly.

  If you're using Windows 3.x:

  1. In the Windows Program Manager, double-click the Windows Setup icon in the Main program group.
  2. Verify that the Display setting is 1280x1024 or less.

  If you're using Windows 95 or Windows 98:

  1. Open "My Computer" icon, the Control Panel folder and then the Display icon.
  2. Click the Settings tab.
  3. Verify that the Desktop area is set to 1280x1024 or less.

Also check the following:

- Does your computer have a compatible graphics board? The projector isn't CGA or EGA compatible.
- Is your computer's graphics board turned on? This is especially true for laptop computers. See "Portable and Laptop Activation Chart" on page 53.

Problem: Image is too wide or narrow for screen

- You might need to manually adjust the tracking to reduce or enlarge the projected image. Refer to "Manual Tracking" on page 30.
- Adjust the resolution of your monitor if it's greater than 1280x1024. Only this resolution at 75 Hz or less will display on the projector.

Problem: Image is out of focus

- Turn the projection lens to focus the image.
- Make sure the projection screen is at least 4 feet (1.2m) from the projector.
- Make sure the projector is turned off, then check the projection lens to see if it needs cleaning.

Problem: Image and menus are reversed left to right

- Rear projection mode is probably turned on. Switch back to forward projection from the Controls menu. The image should immediately return to forward projection. See "Rear Projection" on page 32.

Problem: Image and menus are upside down

- Ceiling mode is probably turned on. Turn off the mode from the Controls menu. The image should immediately return to forward projection. See "Ceiling Projection" on page 32.

Problem: the projector displays vertical lines, "bleeding" or spots

- Adjust the brightness. See "Brightness + or -" on page 22.
- Make sure the projector is turned off, then check the projection lens to see if it needs cleaning.

Problem: no sound

- Press the mute button.
- Adjust volume.
- Verify audio/input connections.
- Adjust audio source.

Problem: Image is "noisy" or streaked

Try these steps in this order.

1. Deactivate the screen saver on your computer.
2. Turn **Auto Image** off and then back on again. See "Auto Image" on page 29.
3. Adjust the synchronization and tracking manually to find an optimal setting. See "Manual Sync" on page 29 and "Manual Tracking" on page 30.

- If you're using an extension cable between the CableWizard and the projector, make sure it's InFocus-approved.
- The problem could be with your computer's graphics board. If possible, connect a different computer.

Problem: Projected colors don't match the computer or video player's colors

- Adjust the brightness, tint and/or contrast from the Display menu. Just as there are differences in the displays of different monitors, there are often differences between the computer image and the projected image. See "Brightness + or -" on page 22, "Tint" on page 25, and "Contrast" on page 25.

Problem: Lamp seems to be getting dimmer

- The lamp begins to lose brightness when it has been in use for a long time. Replace the lamp as described in "Replacing the Projection Lamp" on page 39.

Problem: Lamp shuts off

- A minor power surge may cause the lamp to shut off. Turn the projector off, wait at least 30 seconds, then turn it back on.

Problem: Remote not operating correctly

- You might need to replace the batteries. See "Replacing the Batteries in the Remote Control" on page 41.
- Make sure you're pointing the remote at the top of the projector, or at the projection screen.
- Make sure the remote is within its operating range of 25 feet.

Before calling your dealer or InFocus Technical Support for assistance, please have the following information available:

- the projector's serial number (located on the bottom label)
- the resolution of your computer.

Call InFocus Technical Support at **1-800-799-9911**. Support is free between 6 a.m. and 6 p.m. PST, Monday through Friday. Support is available in North America after hours and on weekends for a fee at **1-888-592-6800**.

Or, send us an e-mail at techsupport@infocus.com

In Europe, call InFocus in The Netherlands at **(31) 35-6474010**.

In Asia, call **(65) 332-0659**.

LP™755

APPENDIX

InFocus®

APPENDIX

Specifications

The LP755 must be operated and stored within the temperature and humidity ranges specified.

Temperature	
Operating	50 F to 104° F (10 C to 40° C)
Non-operating	-4 F to 158° F (-20 to 70° C)

Humidity	
Operating and non-oper.	5% to 95% relative humidity, non-condensing

Dimensions	
	5.2 x 11.7 x 14.7 inches (13 x 29.5 x 36.7 cm)

Weight	
unpacked	9.7 pounds (4.4kg)

Altitude	
Operating	0 to 10,000 feet (3048 meters)
Non-operating	0 to 40,000 feet (12,192 meters)

Optics	
Focus Range	4-40 feet (1.2-12m)

Lamp	
Type	120-watt UHE

Remote Control	
Battery	Two (2) AA alkaline cells
Laser	Class II laser product; wavelength 670nm; maximum output 1mW

Input Power Requirements	
100/120VAC, 5.0/5.0A, 50/60 Hz	230 VAC, 3A, 50Hz

Video Audio Input	
Input Impedance	5K ohm DC coupled
Maximum Input Voltage	$(L_{IN} + R_{IN})_{PEAK} < 4.5$ V for THD ≤ 0.3% L_{IN} or $R_{IN} < 2.0$ Vrms for THD ≤ 0.3%
Sensitivity	100 mV at 1 KHz for 88 dB SPL at 1 meter
Connector Type	RCA jack

CableWizard Audio Input	
Input Impedance	10K ohm nominal, AC coupled
Maximum Input Voltage	$(L_{IN} + R_{IN})_{PEAK} < 4.5$ V for THD ≤ 0.3% L_{IN} or $R_{IN} < 2.0$ Vrms for THD ≤ 0.3%
Sensitivity	100 mV at 1 KHz for 88 dB SPL at 1 meter
Connector Type	3.5 mm (1/8 inch) stereo phone jack

Audio Output	
Frequency Response	10 Hz - 20 KHz
Output Impedance	1.2 K ohm nominal
Output Voltage	2 Vrms maximum (open circuit)
Connector Type	red and white RCA jacks

Accessories

Standard Accessories (ship with the projector)	Part Number
LP755 Quick Start card	009-0436-xx
LP755 User's Guide	010-0217-xx
Carry Case	110-0241-xx
Shipping Box	110-0247-xx
CableWizard and Cables	SP-CW3
CableWizard Audio Cable (2 ft)	210-0079-xx
CableWizard USB Cable (2 ft)	210-0100-xx
CableWizard PS/2 Mouse Cable (1.5 ft)	210-0145-xx
VESA Cable (HD 15 to HD15, 6 ft)	210-0119-xx
VESA Audio Cable (6 ft)	210-0118-xx
Projection Lamp Module	SP-LAMP-LP7P
Lens Cap	505-0363-xx
Audio/Video Cable (9 ft)	210-0053-xx
Remote Control and 2 Batteries	590-0275-xx
Online User's Guide CD-ROM	010-0116-xx

Power Cords (one ships with projector, type depends on country)

North American Power Cord (10 ft)	210-0023-xx
Australian Power Cord	210-0027-xx
UK Power Cord	210-0028-xx
European Power Cord	210-0029-xx
Danish Power Cord	210-0030-xx
Swiss Power Cord	210-0031-xx

NOTE: *Use only InFocus-approved accessories. Other products have not been tested with the projector.*

NOTE: *You can purchase these items by contacting your dealer or InFocus Catalog Sales at 1-800-660-0024.*

Optional Accessories

Deluxe Soft Case	CA-C140
Hard Travel Case	CA-C142
Deluxe Travel Case	CA-C141
ATA Shipping Case	CA-C143
CableWizard Lite, 6.5 ft	SP-CW2LITE
Macintosh Adapter	SP-MACADPT
CableWizard Extension Cable, non-plenum rated, 60.7 ft	SP-CW2EXT
CableWizard Extension Cable, plenum-rated, 60.7 ft	SP-CW2EXTP
CableWizard Installation Extension Cable, 70.5 ft	SP-CW2-IEXT
Two-button Executive Remote Control	SP-EXREM
Four-button Executive Plus Remote Control	SP-EXPLUS
Remote Cable, 50 ft	210-0088-xx
GyroMouse RF Remote (US, Mexico, Canada, UK only)	HW-RF-GPRO
Remote Point RF Remote with LaserPointer (US, Mexico, Canada only)	HW-RF-REMLSR
PC Guardian Projector Cable Lock	SP-LOCK
Rhapsody II Speakers	SP-R2SPKR
JBL Subwoofer	SP-JBLSUB
40" Portable Projection Screen	HW-PORTSCR40
50" Portable Projection Screen	HW-PORTSCR50
60" Portable Projection Screen	HW-DLXSCRN
Portable Projector Stand	SP-STND
LP755 Tripod Mount Kit	SP-TRIP-LP755
S-Video Cable	515-0027-xx
LP755 Ceiling Mount-LiteMount 755	SP-CEIL-LM755
LiteMount False Ceiling Plate	SP-LTMT-PLT
LiteMount Pipe Tubing Extension	SP-LTMT-EXT
CableWizard Wall Plate	SP-CWWALL
3rd Year Advantage Service Plan (1 year extension)	EW-LP7xx-12

Portable and Laptop Activation Chart

Many laptop computers do not automatically turn on their external video port when a secondary display device such as a projector is connected. Activation commands for some laptop computers are listed in the following table. (If your computer is not listed or the given command does not work, refer to the computer's documentation for the appropriate command.) On some laptops, the activation function key is labeled with an icon, for example or the text CRT/LCD.

Computer	Key command to activate port	Key command to de-activate port
Acer	Ctrl-Alt-Esc (for setup)	Ctrl-Alt-Esc (for setup)
AST* **	FN-D or Ctrl-D	FN-D or Ctrl-D
	Ctrl-FN-D	Ctrl-FN-D
	FN-F5	FN-F5
	type from A:/IVGA/CRT	type from A:/IVGA/CRT
	FN-F12	FN-F12
Advanced Logic Research	Ctrl-Alt-V	Ctrl-Alt-V
Altima	Shift-Ctrl-Alt-C	Shift-Ctrl-Alt-L
	setup VGA/ Conf.Simulscan	setup VGA/ Conf.Simulscan
Ambra**	FN-F12	FN-F12
	FN-F5	FN-F5
	F2/Choose Option/F5	F2/Choose Option/F5
Amrel* **	setup menu	setup menu
	Shift-Ctrl-D	Shift-Ctrl-D
Apple	see Mac Portable and Mac PowerBook	
Aspen	automatic	automatic
BCC*	automatic	reboot computer
Bondwell	LCD or CRT options after bootup	reboot for LCD or CRT options to appear
Chaplet**	setup screen	setup screen
	FN-F6	FN-F6
	FN-F4	FN-F4
Commax	Ctrl-Alt-#6	Ctrl-Alt-#5

NOTE: *Often, pressing the key commands once activates the external video port, pressing it again activates both the external and internal ports, and pressing it a third time activates the internal port. Refer to your computer's documentation for details on your specific model.*

Computer	Key command to activate port	Key command to de-activate port
Compaq* **	Ctrl-Alt-<	Ctrl-Alt->
	FN-F4	FN-F4
	automatic	automatic
	mode/? (for setup option)	mode/? (for setup option)
Compuadd* **	automatic	automatic
	Alt-F for screen setup option	Alt-F for screen setup option
Data General	Ctrl-Alt-Command	Ctrl-Alt-Command
Data General Walkabout	2 CRT/X at DOS prompt	reboot
Datavue	Ctrl-Shift-M	Ctrl-Shift-M
Dell**	Ctrl-Alt-<	Ctrl-Alt->
	Ctrl-Alt-F10	Ctrl-Alt-F10
	FN-F8 (CRT/LCD)	FN-F8
	FN-D	FN-D
	FN-F12	FN-F12
Digital*	automatic	reboot
	FN-F2	FN-F2
Dolch	dip switch to CRT	dip switch to LCD
Epson	dip switch to CRT	dip switch to LCD
Everex*	setup screen option	setup screen option
For-A	Ctrl-Alt-Shift-C	Ctrl-Shift-Alt-L
Gateway	FN-F1/FN-F1 again simultaneous	FN-F1
Grid* **	FN-F2, choose auto or simultaneous	FN-F2
	Ctrl-Alt-Tab	Ctrl-Alt-Tab
Hyundai	setup screen option	setup screen option
IBM 970*	automatic	warm reboot

Computer	Key command to activate port	Key command to de-activate port
IBM ThinkPad**	reboot, enter setup menu	FN-F2
	FN-F7, select choice from setup menu	
	FN-F1, select choice	
	FN-F5, select choice	
	PS/2 SC select choice (CRT, LCD, etc.)	
Kaypro	boot up, monitor plugged in	unplug monitor
Kris Tech	FN-F8	FN-F8
Mac Portable 100	no video port: not compatible	
Mac PowerBook		
140, 145, 150, 170	no video port: requires a 3rd-party interface	
160, 165, 180, 520, 540, 5300	Control Panel folder, PowerBook Display folder; Activate Video Mirroring	warm reboot
210, 230, 250, 270, 280, 2300	requires Apple Docking Station or Mini Dock	
Magitronic	FN-F4	FN-F4
Mastersport	FN-F2	FN-F1
Micro Express*	automatic	warm reboot
Microslate*	automatic	warm reboot
Mitsubishi	SW2 On-Off-Off-Off	SW2 Off-On-On-On
NCR	setup screen option	setup screen option
NEC* **	setup screen option	setup screen option
	CRT at the DOS prompt	LCD at the DOS prompt
	FN-F31	FN-F3
Olivetti*	automatic	automatic
	FN-O/*	FN-O/*
	FN- | |	FN- | |

Computer	Key command to activate port	Key command to de-activate port
Packard Bell**	FN-F2	FN-F2
	Ctrl-Alt-<	Ctrl-Alt->
Panasonic	FN-F2	FN-F2
Samsung*	setup screen option	setup screen option
Sanyo	setup screen option	setup screen option
Sharp	dip switch to CRT	dip switch to LCD
Sun SPARC-Dataview	Ctrl-Shift-M	Ctrl-Shift-M
Tandy**	Ctrl-Alt-Insert	Ctrl-Alt-Insert
	setup screen option	setup screen option
Texas Instruments*	setup screen option	setup screen option
Top-Link* **	setup screen option	setup screen option
	FN-F6	FN-F6
Toshiba* **	Ctrl-Alt-End	Ctrl-Alt-Home
	FN-End	FN-Home
	FN-F5	FN-F5
	setup screen option	setup screen option
Twinhead*	FN-F7	FN-F7
	FN-F5	FN-F5
	Automatic	Automatic
WinBook	Ctrl-Alt-F10	Ctrl-Alt-F10
Wyse	software driven	software driven
Zenith**	FN-F10	FN-F10
	FN-F2	FN-F2
	FN-F1	FN-F1

* These manufacturers have models that automatically send video to the external CRT port when some type of display device is attached.

** These manufacturers offer more than one key command depending on the computer model.

Using Video Mirroring with a PowerBook Computer

When you turn video mirroring on (called SimulScan in newer PowerBooks-see below), the projector displays the same information that appears on your PowerBook's built-in screen. When video mirroring is off, the projector acts like a separate display.

To turn on video mirroring for the first time:

1. Open the Monitors control panel; click on Monitor 2.
2. Set the number of colors you want.
3. Open the Control Strip; click on the monitor icon.
4. Select "Turn Video Mirroring On."

Now you can turn video mirroring on and off from the Control Strip without having to open the Monitors control panel again.

When using video mirroring and high color graphics such as slide shows, the projected image occasionally might turn black and white. If this happens, perform the following steps:

1. Turn off video mirroring.
2. Open the Monitors control panel.
3. Move the white menu bar to Monitor 2 to set the projector as the primary monitor.
4. Restart the PowerBook.

Using SimulScan

Some newer PowerBooks display images on an external monitor or projector differently than previous ones. When using SimulScan, the projector displays the same information that appears on your PowerBook.

To select SimulScan:

1. Open the Control Panel, then double-click Monitors and Sound.
2. In the Resolution list, choose the SimulScan mode, then click OK.
3. If this changes your display settings, a dialog box appears. Click OK to confirm the change.

Projected Image Size

Use the chart below and the tables on the next page to help you determine projected image sizes.

***NOTE**: You can access a Microsoft Excel Image Size Calculator at our web site at* **http://www.infocus.com.** *It is in the Technical Library under "Service and Support".*

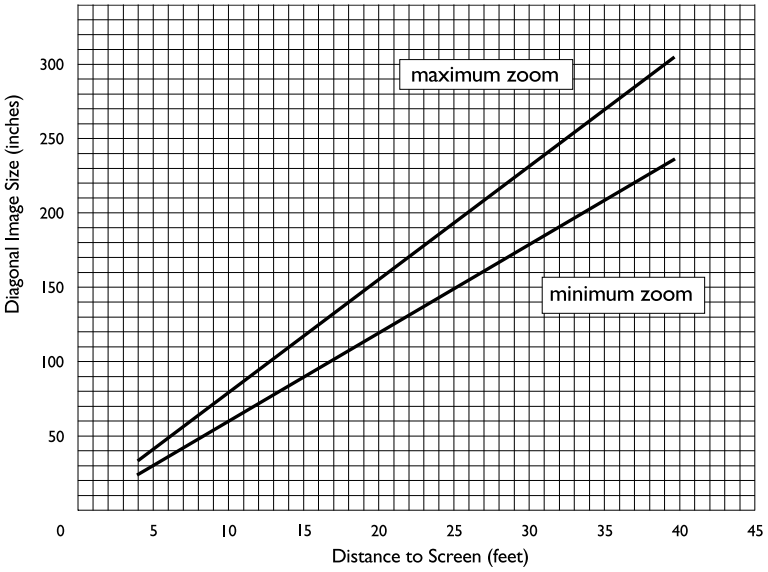

FIGURE 32

Projected image size

Table 1:
Image Size, Width and Height for Lens at Maximum Image Size

Distance to Screen (feet)	Diagonal (inches)	Width (inches)	Height (inches)
4	31	25	19
10	77	62	46
15	115	92	69
20	154	123	92
25	192	154	115
30	230	184	138
35	269	215	161
40	307	246	184

Table 2:
Image Size, Width and Height for Lens at Minimum Image Size

Distance to Screen (feet)	Maximum Diagonal (inches)	Maximum Width (inches)	Maximum Height (inches)
4	24	19	14
10	59	47	35
15	88	70	53
20	118	94	71
25	147	118	88
30	176	141	106
35	206	165	124
40	235	188	141

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InFocus®

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LIMITED WARRANTY

InFocus systems, Inc. (“InFocus”) warrants that each LP755 (“the Product”) sold hereunder will conform to and function in accordance with the written specifications of InFocus. Said limited warranty shall apply only to the first person or entity that purchases the Product for personal or business use and not for the purpose of distribution or resale. Said warranty shall continue for a period of two (2) years from the date of such purchase. The standard limited warranty excludes the lamps in projectors after 90 days and the accessories after one year. InFocus does not warrant that the Product will meet the specific requirements of the first person or entity that purchases the Product for personal or business use. InFocus’ liability for the breach of the foregoing limited warranty is limited to the repair or replacement of the Product or refund of the purchase price of the Product, at InFocus’ sole option. Replacement Product may be re-furbished in “like-new” condition, at InFocus’ sole discretion. To exercise the Purchaser’s rights under the foregoing warranty, the Product must be returned at the Purchaser’s sole cost and expense, to InFocus or to any authorized InFocus service center provided, and the Product must be accompanied by a written letter explaining the problem and which includes (i) proof of date of purchase; (ii) the dealer’s name; and (iii) the model and serial number of the Product. When sending your unit in for repair, please ship your unit in its original packing material or an InFocus approved ATA Shipping Case, or have a professional packaging company pack the unit. Please insure your shipment for its full value. A return authorization number, issued by the InFocus customer service department, must also be clearly displayed on the outside of the shipping carton containing the Product.

Note: Remanufactured Products are exempt from the foregoing Limited Warranty. Please refer to the Remanufactured Product Warranty for applicable warranty information.

WARRANTY LIMITATION AND EXCLUSION

InFocus shall have no further obligation under the foregoing limited warranty if the Product has been damaged due to abuse, misuse, neglect, accident, unusual physical or electrical stress, unauthorized modifications, tampering, alterations, or service other than by InFocus or its authorized agents, causes other than from ordinary use or failure to properly use the Product in the application for which said Product is intended.

DISCLAIMER OF UNSTATED WARRANTIES

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